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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2
[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
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Ph. No. 490 1495 Fax No. 044-4901492

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Ph. No. 247 4401 Fax 033-2473851

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कलकत्ता, दिनांक 20 जून 1998

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

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पेटेंट कार्यालय शाखा, डोडी इस्टेट,
तीसरा तल, लोअर परेल (प.),
मुम्बई-400013 ।

गुजरात, महाराष्ट्र, मध्य प्रदेश
तथा गोआ राज्य क्षेत्र एवं संघ
शासित क्षेत्र, दमन तथा दीव एवं
दादर और नगर हवेली ।

तार पता - "पेटोफिस"
फोन 4925092 फैक्स : 0224950622

पेटेंट कार्यालय शाखा,
एनेक्स सं. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110 005 ।

हरियाणा, हिमाचल प्रदेश, जम्मू
तथा कश्मीर, पंजाब, राजस्थान,
उत्तर प्रदेश तथा दिल्ली राज्य
क्षेत्र एवं संघ शासित क्षेत्र चंडीगढ़ ।

तार पता - "पेटेंटोफिक"
फोन : 578 2532 फैक्स : 011-5766204

पेटेंट कार्यालय शाखा,
विंग "सी" (सी-4, ए),
तीसरा तल, राजाजी भवन,
बसन्त नगर, चेन्नई-600090 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु
तथा पाण्डिचेरी राज्य क्षेत्र एवं
संघ शासित क्षेत्र, लक्षद्वीप, मिनिकाय
तथा एमिनिदिवि द्वीप ।

तार पता - "पेटेंटोफिस"
फोन : 490 1495 फैक्स : 044-4901492

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय
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234/4, आचार्य जगदीश बोस मार्ग,
कलकत्ता-700 020 ।

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तार पता - "पेटेंट्स"
फोन : 247 4401 फैक्स : 033-2473851

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन-पत्र सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे ।

शुल्क : शुल्कों की अदायगी या तो नकद की जाएगी अथवा जहां उपयुक्त कार्यालय अवस्थित है, उस स्थान के अनुसूचित बैंक में नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा बैंक द्वारा की जा सकती है ।

APPLICATION FOR THE PATENT FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent brackets are the dates claimed under section 135, under Patent Act, 1970.

24-04-1998

725/Cal/98. Philips Electronics N. V., "Apparatus and method for reproducing a digital audio signal from a record carrier". (Convention No. 97201658.8 on 3rd June, 1997 in Europe).

726/Cal/98. (1) Surfacine (R) Development Corporation, LLC. (2) Bio Polymerix Inc., "A process for manufacturing an anti microbial material".

727/Cal/98 Engineering Dynamics Ltd., "Portable germicidal air filter".

728/Cal/98. General Dynamics Land Systems, Inc., "Multi-Range, hydromechanical transmission for application in high performance automotive drive-trains". (Convention No. 60/044, 326 on 25-4-97 & Nil on 13-4-98 in U.S.A.).

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730/Cal/98. General Dynamics Land Systems, Inc., "Continuously variable hydrostatic transmission including 1:1 ratio lock-up clutch". (Convention No. 60/044,324 on 25-4-97 & Nil on 20-4-1998 in U.S.A.).

731/Cal/98. Wolfgang Priesemuth, "Switch and a wire contact, in particular for use for a switch".

732/Cal/98. Emitec Gesellschaft fur Emissionstechnologie MBH, "Honeycomb body having a system for preventing mechanical vibrations". (Convention No. 29708861.0 on 20-5-97 & 19731487.2 on 22-7-97 in Germany).

733/Cal/98. Mannesmann VDO AG., "Meter movement having a gear mechanism, in particular for a tachometer or revolution counter". (Convention No. 19719194.0 on 9-5-97 in Germany).

734/Cal/98 Siemens Aktiengesellschaft, "Terminal device for digital mobile radio and method for evaluating the data received in such a terminal device". Convention No. 19717383.7 on 24-4-97 in Germany).

735/Cal/98. Samsung Electronics Co. Ltd., "Optical fibre protection". (Convention No. 15636/1997 on 25-4-97 in Korea).

736/Cal/98. Samsung Eelectronics Co. Ltd., "Microphone connecting device for flip type portable telephone". (Convention No. 15756/1977 on 26-4-97 & 15757/1997 on 26-4-97 in Korea).

737/Cal/98. Dr. Dipak Guha, "A fire-retardant solution".

27-04-1998

738/Cal/98. Philips Electronics N.V., "Disc-Shaped information carrier provided with two portions having different road-out speeds". (Convention No. 97201921.0 on 23-6-97 in Europe).

739/Cal/98. The Babcock & Wilcox Co., "Low pressure drop inlet design to promote good gas flow patterns in high velocity absorbers'. (Convention No. 09/022,136 on 11-2-98 in U.S.A.).

740/Cal/98. Glaxo Group Ltd., "Particulate products".

741/Cal/98. Dongbo Textile, "Low temperature, low bath ratio, tensionless and short-term dyeing method using microwaves, and its device". (Convention No. 46590/1997 on 10-09-1997 in Republic of Korea).

742/Cal/98. 1. Tishu Cai; 2. Dorothy A Pierce; 3. Laura A Tagliani; 4. Zuo-Yu Zhao., "Agrobacterium mediated transformation of sorghum". (Convention No. 60/045,121 on 30-4-97 & on 7-4-98 in U.S.A.).

743/Cal/98. HNA Holdings, Inc., "Infrared absorbing polyester packaging polymer'. (Convention No. 08/871,744 on 09-06-1997 in US).

744/Cal/98. Westinghouse Electric Corporation, "Method & apparatus for cooling a turbine with compressed cooling air from an auxiliary compressor". (Convention No. 08/855,428 on 13-5-97 in U.S.A.).

745/Cal/98. PPG Industries, Inc., "Color-Plus-Clear composite coating compositions containing alkylolated or etherified carbamate functional polymers". (Convention No. 08/846521 on 29-4-97 in U.S.A.).

746/Cal/98. Siemens Aktiengesellschaft, "Device for heat insulation for a steam-turbine". (Convention No. 19717962.2 on 28-4-97 in Germany).

747/Cal/98. Hitachi, Ltd., "Plant cntrol system and prcess controller'. (Convention No. 9-115621 on 6-5-97 in Japan).

748/Cal/98. E.I. Du Pont De Nemours and Co., "Pyrimidinyl azole herbicides". (Convention No. 60/049,282 on 10-6-97 in U.S.A.).

749/Cal/98. Mcneil & NRM, Inc., "Mold clamping system". (Convention No. 08/873,371 on 11-6-97 in U.S.A.).

750/Cal/98. Kuraray Co. Ltd., "Process for producing diamines". (Convention No. 123867/1997 on 14-5-97 in Japan).

751/Cal/98. ELI Lilly and Co., "Activated protein C formulations". (Convention No. 60/045,255 on 28-4-97 in U.S.A.).

752/Cal/98. ELI Lilly and Co., "Improved methods for processing activated protein C". (Convention No. 60/045,255 on 28-4-97 in U.S.A.).

753/Cal/98. Shoki Kobayashi, "A process for preparing tamarind extract in the form of paste/jam".

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स्वीकृत सम्पूर्ण विनिर्देश

एतद्द्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान के विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अधिक ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकस्व को उपयुक्त कार्यालय में ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं । विरोध संबंधी लिखित वक्तव्य उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए ।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर-राष्ट्रीय वर्गीकरण के अनुरूप हैं ।"

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हो, के साथ विनिर्देशों की अंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र व्यवहार द्वारा सुनिश्चित करने के उपरांत उसकी अदायगी पर की जा सकती है । विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 2 से गुणा करके, (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है ।

Ind. Cl. : 5 D Gr. [I] 181451

Int. Cl. : A 01 G-25/06.

AUTOMATIC DRIP IRRIGATION SYSTEM NETWORK HAVING OSCILLATOR/PULSATOR FOR CONVERTING HIGH VOLUME HIGH PRESSURE CONTINUOUS WATER SUPPLY INTO LOW VOLUME LOW PRESSURE INTERMITTENT WATER SUPPLY.

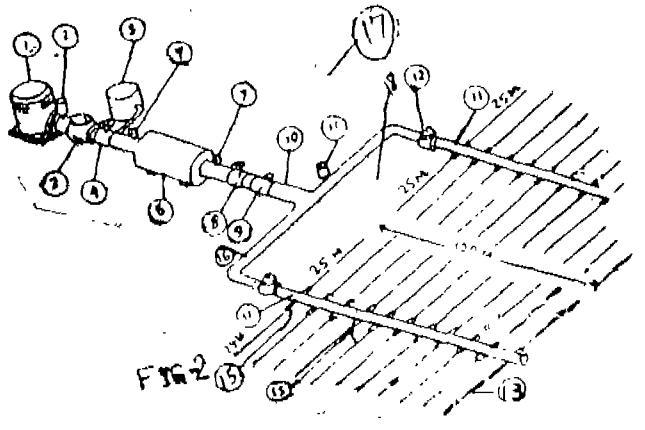
Applicants & Inventor : DILIP SHANTARAM DAHANUKAR, AN INDIAN CITIZEN, INDUSTRIAL ASSURANCE BUILDING, CHURCHGATE, MUMBAI-400 020, MAHARASHTRA, INDIA.

Patent Application No. 409/Bom/94 filed on 23-08-94.

Approriate Office for Oposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-13.

8 Claims

Automatic drip irrigation system network 17 for converting high volume high pressure continuous water supply into low volume low pressure intermittent water supply for uniform wetting of subsoil through drip irrigation sector system network 18 comprising plurality of parallel connected dripper tubes 13 forming sector system network, each of said dripper tube 13 having plurality of spaced apart non-return valves 19 forming drip holes, at least one lateral tube 11 having plurality of spaced apart non-return valves 15 for coupling thereto said dripper tubes 13, said lateral pipe being connected to a water pump 1 for pumping water into said system network 17 under high volume high pressure flow inflating said non return valves 15 and flowing into said dripper tubes 13 getting converted into low volume low pressure water flow opening said one way valves 19 for intermittently injecting preset measured quantity of water/plant nutrients into subsoil thereby providing a wetted 4-6" layer 20 below said ubsoil surface and said non-return valves 19 and 15 being losable on release of said hydraulic pressure and remaining losed till sufficient hydraulic pressure being again generated vithin said lateral and dripper tubes thus completing one ntermittent drip irrigation cycle.



(Compl. Specn. 16 pages; Drgs. 1 sheet.)

Ind. Cl. : 56 B, F [V] 181452

Int. Cl. : B 01 J-21/00, 21/12.

THE CATALYST COMPOSITION.

Applicants : INDIAN OIL CORPORATION LTD., G-9, ALI YAVAR JANG MARG, BANDRA (EAST), BOMBAY-400 051, MAHARASHTRA, INDIA.

Inventors :
1. MOHAN PRABHU KUVETTU
2. SANJAY KUMAR RAY
3. VISWAS BHAJANDAS SHENDE
4. SOBHAN GOSH
5. MANORANJAN SANTRA
6. SHYAMAL DEBNATH
7. SHANKAR SHARMA
8. RAM MOHAN THAKUR
9. JAGDEV KUMAR DIXIT.

Application No. 440/Bom/1994 filed on September 6, 1994.

Approriate Office for Oposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-13.

7 Claims

A process for the preparation of a catalyst composition for use during regeneration of the catalyst comprising preparing a slurry by mixing intimately 10 tp 60% by wt. of colloidal silica/clay based on the total solid contents in the slurry and a finder to peptised oseudoboehmite, subjecting said slurry to the step of spray drying at the temperature of 300 to 360 C to obtain microspheres, calcining the microspheres so obtained at the temperature of 400 to 700°C for 60 to 120 minutes and then impregnating the calcined microspheres with platium.

(Compl. Specn. 20 pages; Drng. Nil.)

Ind. Cl. : 98 I Gr. [VII (2)] 181453

Int. Cl. : F 24 J-2/02, 3/06.

AN IMPROVED CONCENTRATOR TYPE SOLAR COOKER TO BOIL AND BAKE FOOD.

Applicants & Inventors : PRIYAL KHANDERAO KULKARNI & PUSHKAR VIJAY KULKARNI BOTH INDIAN CITIZENS AT MOHOR, 64/17, REGE MARG, ERANDA. VANE, PUNE-411 004, MAHARASHTRA, INDIA.

Patent Application No. 451/Bom/94 filed on 13-09-94.

Approriate Office for Oposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-13.

2 Claims

An improved concentrator type solar cooker to boil and bake food, comprising a reflector with a concave dish formed of three or four segments, each segment pasted with reflecting material such as glass mirrors or aluminized polyster film and the segments forming the said reflector are placed on a frame made from mild steel or aluminium sections, the said frame has a plate at the centre with a number of radial arms with inner ends fixed on the plate and the outer ends joined on the periphery by a circular rim and each segment has two vertically adjusting screws on the outer rim and one on the said central plate and on the upper side of the said central plate is mounted a vertical post, its height reaching the focal point of rebector and on the lower side of the central plate is mounted a horizontal axis, engaged in bearings fitted on a trolley with castor wheels and on the said trolley is fixed a winch with a wire rope wound on it and free end of the rope is tied to the said frame supporting the reflector and for carrynig out frying of food and baking of chapaties, the said solar cooker is provided with a thermic oil heating unit with its metallic container mounted on the said vertical post and the metallic container, square or circular in cross section and of small depth is filled with thermic oil and the lower face of the said container facing the reflector receives concentrated sun rays and the said oil container is connected by a tube to the outlet of a hand operated reciprocating pump fitted on the platform of the trolley and the outlet of the said oil container is connected by a tube to the inlet on a heating jacket on a hot plate or a frying pan and the outlets

of the heating jackets are connected by tubes to the inlet side of the said hand receiprocating pump for oil which circulates heated oil through the said thermic oil heating unit and the said thermic oil heating unit receiving concentrated sun rays is covered with toughened glass and all other heated parts are covered with heat insulating materials.

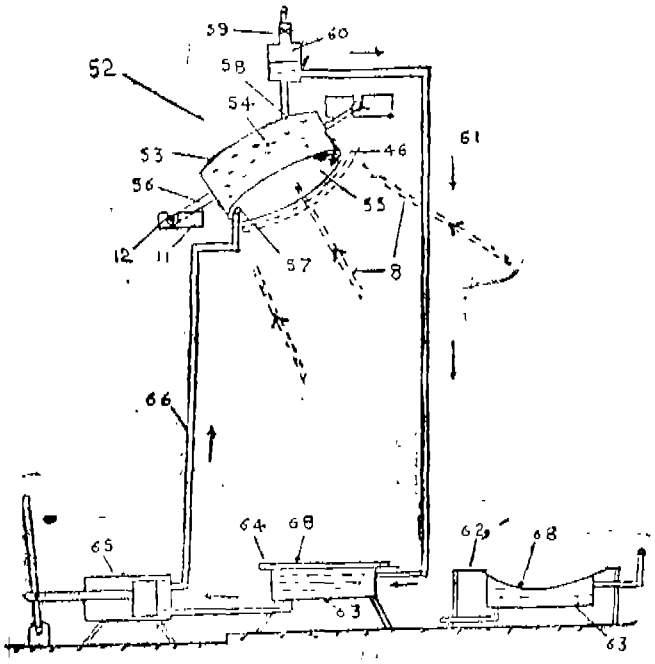
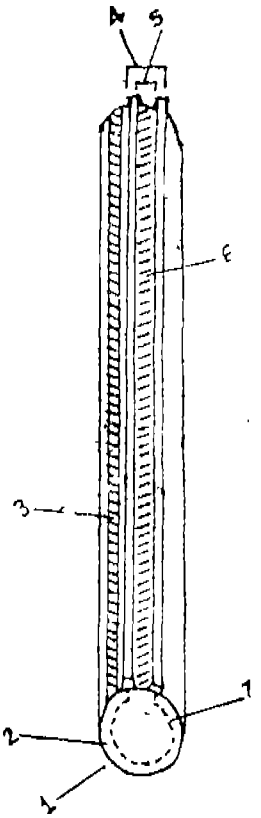


FIG. 7

(Compl. Specn. 17 pages; Drgs. 5 sheets.)



(Compl. Specn. 5 pages; Drgs. 1 sheet.)

Ind. Cl. : 31C, Gr. [IX (1)] 181454

Int. Cl. : H 01 L-3/00, 31/12.

SOLAR CELL AND SOLAR CELL SYSTEM.

Applicant & Inventor : DR. PRANAB DASTIDAR OF F-3, RAJKUNJ CO-OPERATIVE HOUSING SOCIETY, WADAVLI, CHEMBUR, MUMBAI-400 074, MAHARASHTRA, INDIA. AN INDIAN NATIONAL.

Patent Application No. 512/Bom/94 filed on 28-10-94.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-13.

1 Claim

Solar Cell and solar cell system having semiconductor material in the form of long filaments of almost cylindrical cross-section, in which p-n junctions are arranged preferably by diffusion of impurities, below the surface of the said filaments covering almost the whole of the circumferential cross-section and length of the said filaments, followed by arrangement of ohmic contacts, one on one side of the p-n junction and another on other side, both of the said contacts covering almost full length of the said filament and spaced close to each other on the circumference of the said filament, to enable the said contacts to draw power out and yet not shield solar radiation, and to enable the solar cell filaments to be arranged adjacent to one another on a printed circuit board for connection, to form solar panel.

Ind. Cl. : 129 G. Gr. [XXXV] 181455

Int. Cl. : B 24 C-1/10.

ULTRASONIC SHOT PEENING EQUIPMENT.

Applicant & Inventors : MAHAVEER DHARMAJI ANAGOL 6, KOUMARI, AHIMSA MARG, KHAR (WEST), MUMBAI-400 052, MAHARASHTRA, INDIA. AN INDIAN NATIONAL.

Patent Application No. 555/Bom/94 filed on 25-11-94.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-13.

1 Claim

The ultrasonic shot peening equipment comprising a generator for generating electrical waves from 50 Hz to 15,000/20,000 Hz or 40,000 Hz or higher or lower Hz electrical power, the said generator is connected to a converter which is an electromechanical convertor for converting the high frequency electrical waves into ultrasonic mechanical vibrations, a booster unit further provided to enhance output amplitude of mechanical vibrations, a horn module having a casing in the form of a guide tube made of teflon or a suitable alloy or titanium and the like and at the tip of the said horn module, there being provided steel balls or shots of hard material, a work piece being placed over the casing

or the guide tube such that the balls deriving energy from ultrasonic waves will impinge peening effect on the work piece.

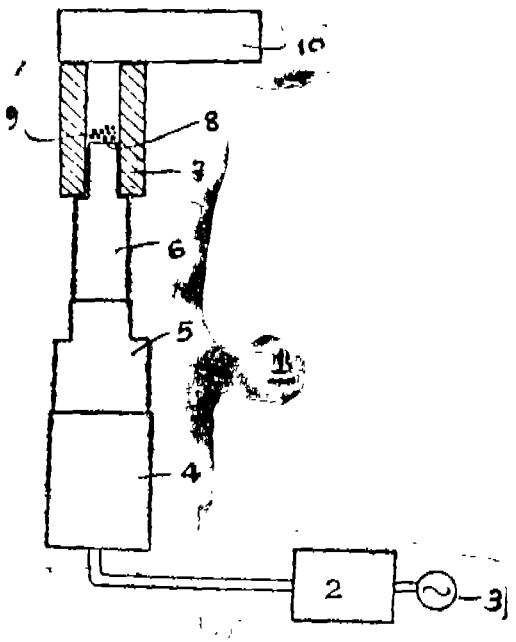


FIG 1

(Compl. Specn. 5 pages; Drng. 1 sheet.)

Ind. Cl. : 107 G. 181456
Int. Cl. : F 02 M 35/024, 35/04.

AIR FILTER FOR AN INTERNAL COMBUSTION ENGINE.

Applicant : FILTERWERK MANN & HUMMEL GMBH OF HINDENBURGSTR 37—45, POSTFACH 409,71631 LUDWIGSBURG, GERMANY.

Inventors :
1. VOLKER ERNST.
2. ARTHUR KLOTZ.

Application No. 157/Bom/1995 filed on April 3, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-13.

6 Claims

Air filter, particularly for the intake air of an internal combustion engine, comprising a housing 13, an air filter insert 16 arranged in the housing and a cover 10 closing off the housing, the air filter insert 16 being an essentially rectangular cartridge which has a surrounding seal 18, and this seal 18 being clamped in between the housing 13 and the cover 10 in such a manner that it separated the unfiltered-air space from the filtered-air space, and locking elements 19 being provided which permit a fastening of the cover 10 on the housing 13 and therefore simultaneously also a fastening of the air filter insert 16 in the housing 13.

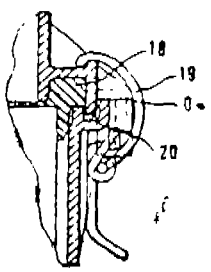


FIG. 4

(Compl. Specn. 7 pages; Drngs. 2 sheets.)

Ind. Cl. : 31 C [LVIII(8)] 181457

Int. Cl. : H 01 L 31/18.

A PROCESS AND DEVICE FOR MANUFACTURING PHOTOVOLTAIC MODULES.

Applicant : ISOVOLTA OSTERREICHISCHE ISOLIERSTOFFWERKE, AKTIENGESELLSCHAFT, A-2355, WIENER, NEUDORF, INDUSTRIEZENTRUM NO-SUD, AUSTRIA.

Inventors : (1) TO HANN FALK,
(2) ALBERT.

Application No. : 50/Bom/95 filed on Feb. 2, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-13.

18 Claims

A method for manufacturing a laminated photovoltaic module of which the core layer is a system of solar cells clad by encapsulating materials consisting of a glass/plastic foil composite and/or a plastic-foil composite, characterised in that :

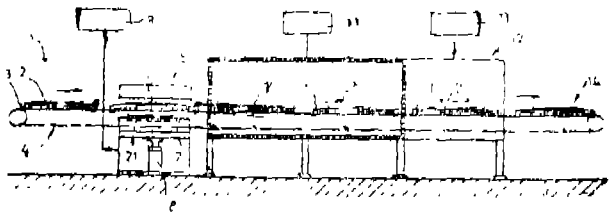
(a) a module-stack 2 formed by the solar-cell system 24, the encapsulating materials 25, 25 and the spacing foils 26, 26 and is deposited at the loading station 1 onto the carrier plate 3, the temperature of said plate being kept below the softening point of the plastic sealing layers 30, 30 mounted in the encapsulating materials 25, 25;

(b) the said module-stack 2 is moved into the vaccum laminator 5 which then is closed and evacuated, said stack then being heated to the softening point of the plastic sealing layers 30, 30 by pressing the heater plate 21 against the thermally conducting carrier plate 3;

(c) following airing of the said vacuum laminator 5 and without cooling the heater plate 21, the composite 2 formed from the module-stack is moved into the hardening oven 10 wherein the plastic sealing layers 30, 30 are hardened so that a laminate 2" is formed;

(d) the said laminate 2" is thereupon is moved into the cooling zone 12; and

(e) said laminate is removed from the manufacturing process at the removal station 14, and in that the process steps (a) through (e) are carried out simultaneously and parallelly in timed manner.



(Complete Specification : 16 pages; Drawing : 3 Sheets)

Ind. Cl. : 5D [I(1)] 181458

Int. Cl. : A 01 D—45/22.

AN APPARATUS FOR GROWING BEAN SPROUTS.

Applicant & Inventors : KEE WAI MA, LOT 64 BLEWERS ROAD, MORAYFIELD, QUEENSLAND 4506, AUSTRALIA.

Application No. : 182/Bom/95 filed on April 17, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-13.

06 Claims

An apparatus for growing bean sprouts comprising two containers (1, 2) mounted on a frame (3) wherein each of the container comprises a moveable plate to stabilize the seed bed, and the moveable base comprising two sliding doors (5, 6) and moveable plates (9, 10) with perforation at the bottom of each container enabling its moveable base to move from a position of closing the bottom to a position of opening the bottom, thereby allowing sprouts grown within the container to fall into the tank (4); where the tank having means to convey the spouts received from the container.

(Complete Specification : 14 pages Drawings : 3 Sheets)

Ind. Cl. : 32 F$_2$ (b) Gr. [IX (1)] 181459
Int. Cl. : 55 E$_2$ + E$_1$ Gr. [XIX (1)]

METHOD FOR MANUFACTURE OF CEPHALOSPORIN ANTIBIOTICS.

Appplicant : LUPIN LABORATORIES LIMITED AN INDIAN COMPANY OF 159, C.S.T. ROAD, KALINA, SANTACRUZ, MUMBAI-400 098, MAHARASHTRA, INDIA.

Inventors :

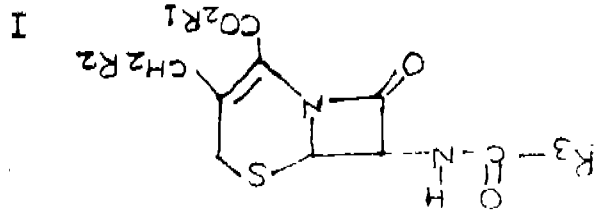
1. DR. DEBASHISH DATTA
2. MR. VINOD GEORGE
3. MR. BISHWA PRAKASH RAI

Patent Application No. : 545/Bom/95 filed on 26-12-95.

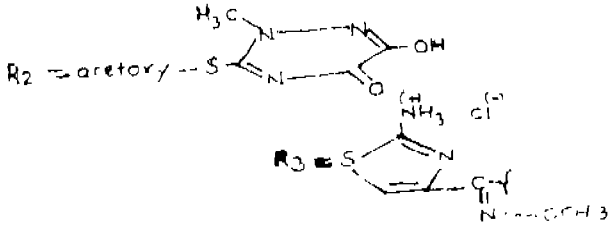
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-13.

8 Claims

A process for the preparation of cephalosporin abtibiotics of formula I,

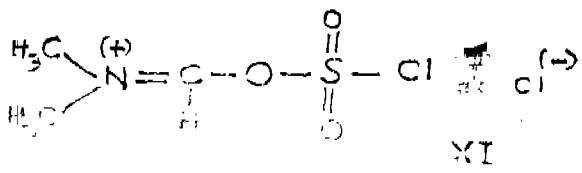


wherein R_1=H, carboxylic protecting group.
R_2 = acetoxy,

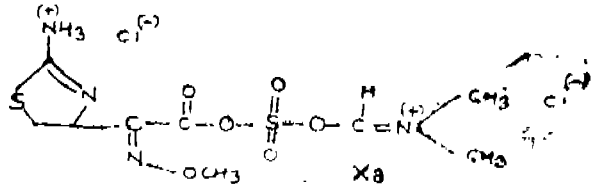


comprising;

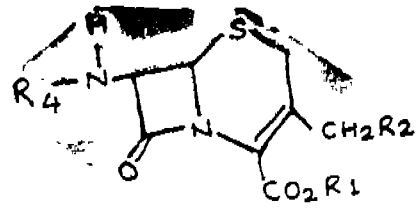
(a) reacting N, N-dimethyl formiminium chloride chlorosulfate (DFCCS) of formula XI,



with 2-(2-aminothiazol-4-yl)-2-methoxyimino acetic acid to obtain compound of formula Xa;

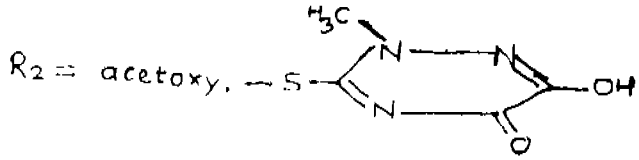


(b) reacting said compound of formula Xa of step (a) above with silylated 7-amino cephalosporanic acid derivatives of formula IX.



IX

wherein R_1 = 1H, carboxylic protecting group



R_4 = silyl group or hydrogen;

in a solvent such as herein described in the temperature range of -70°C to -30°C preferably at -55°C to thereby obtain said cephalosporin antibiotic of formula I.

(Compl. Specn. : 31 pages; Drwgns. : Nil)

Ind. Cl. : 32 F1 181460
Int. Cl. : C 07 D—233/94

AN IMPROVED PROCESS FOR THE PREPARATION OF 1-(2, 3-EPOXYPROPYL)-5-NITROIMIDAZOLES.

Applicants : SUN PHARMACEUTICAL INDUSTRIES LTD. "SYNERGY HOUSE" SUBHANPURA, GORWA ROAD, BARODA-390007 INDIA.

Inventors :

1. DR. C. TRINADHA RAO
2. DR. T. RAJAMANNAR
3. DR. PVR ACHARYULU
4. MR. R. REHANI
5. DR. N. J. DESOUZA

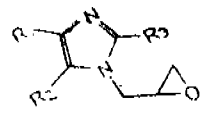
Application No. : 597/Bom/96 filed on 10-12-96.

Complete after provisional left on 03-03-97.

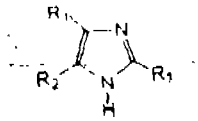
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-13.

13 Claims

An improved process for the preparation of 1-(2, 3-epoxypropyl)-5-nitromidazoles as important intermediates for the synthesis of 1-(3-substituted-2-hydroxypropyl)-5-nitroimidazoles of chemothers poutic utility, said 1-(2, 3-epoxypropyl)-5-nitroimidazoles having formula I,



wheein one of R_1 and R_2 represent a nitro group, and the other a hydrogen or a halogen, and R_3 represents a hydrogen, halogen or a lower alkyl group, said process of the invention comprising alkaline treatment of a crule product of the reaction of an appropriately substituted alkyl-nitroimidazole of the formula III, wherein R_1, R_2, and R_3 have the aforesaid meanings, with epichlorohydrin of



III

IV

the formula IV in the presence of a Lewis acid, said reaction being carried out optionally in the presence of an organic solvent, at a temperature of 20°C, for a period of 1 to 10 hours, to provide the said crude product, which taken as a solution in an appropriate organic solvent is treated at temperature of 0°—5°C with an aqueous alkaline solution to attain a pH of 13.0 to 13.5, maintained over a few hours to obtain the desired product of the invention.

(Provisional specification : 10 pages; Drawings : Nil)
(Complete specification : 15 pages; Drawings : Nil)

181461

Cl. : 179 C

Int. Cl. : A 45 C 13/10.

MAGNETIC CLOSURE DEVICE.

Applicant : APPLICATION ART LABORATORIES CO. LTD., OF 9-16, HANAHATA 2-CHOME ADACHI-KU TOKYO, JAPAN.

Inventor : YOSHIHIRO AOKI.

Application No. : 112/Cal/1994 filed on 22nd February, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

22 Claims

A magnetic closure device comprising :

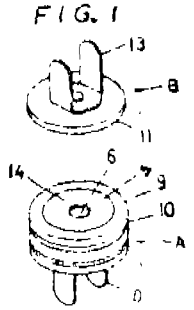
a magnetically attracting first element;

a magnetically attractable second element comprising a ferromagnetic plate;

wherein said first element comprises a cylindrical magnet having a central axial bore and first and second axial ends respectively with first and second opposite polarities, a ferromagnetic plate fixed to said first end of said cylindrical magnet, a ferromagnetic rod extending from said ferromagnetic plate of said first element into said central axial bore of said cylindrical magnet, an annular cover member covering said second axial end of said cylindrical magnet, characterised in that an annular cylindrical wall is fixedly mounted around said annular cover member surrounding the second axial end of said cylindrical magnet; and

said annular cylindrical wall is substantially thicker than said annular cover member.

FIG. 1



(Compl. Specn. : 22pages Drgns. : 7 Sheees)

Cl. : 45 G3 & E 181462

Int. Cl. : E 03 D 1/00.

IMPROVED WATER FLUSHING DEVICE.

Applicant & Inventor : ADHAR SAHIJRAM MIRCHANDANI, C/o PHENOWELD POLYMER PVT. LTD., 44/7, HAZRA ROAD, CALCUTTA-700 019, WEST BENGAL, INDIA.

Application No. : 164/Cal '94 filed on 16th March, 1994.

(Complete specificatlon left after provisional on 15-06-1995).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

2 Claims

An improved water flushing device specially for toilet cistern comprising a reservoir (1) fitted with a lid (2) said reservoir being provided with an intake pipe (2A) and a derlin valve (4) to monitor the flow of water in the reservoir to avoid over flow and an outlet pipe (11) said intake pipe being connected to a source of water, said device further comprising fastening means (5) including a float arm (6) one end of which being connected near the intake pipe (2A) the other end of which being fitted to a float (7) said float arm (6) being pivotably mounted at a point so that the float (7) moves within said reservoir (1) depending upon the water-level therein, a buffer being located at the upper end of the reservoir to control the movement of said float (7); a sealing unit being adapted within a sealing system for controlling the float of water from said reservoir (1) when actuated with said fastening means; said sealing unit includes a cup washer (12) and a backup washer housed within an outlet cup (14) which being held to the sealing system with a check nut (15); said sealing system comprises a gate washer (16) a rubber seal (17) an outlet water seat (18) for the operation of water flow control means comprising a main cup (19) which accommodates a spacer (20) a locking cup (21) being adapted and located at the upper end of the water flow control means which being covered with an upper cover (22) through which a lower valve tube (23) passes for the flushing water from the reservoir ;

said flushing means being provided with an upper valve tube (24) fitted to a fulcrum (25) operable by means of a lever (32) said fulcrum being provided with a fulcrum washer (27) and fixing means (28) to hold a liver in position, said lever being operable with a knob (29) located outside said reservoir, characterized in that, a derlin valve (4) provided at the intake of the reservoir, the said valve is connected to a float arm (6) which operates the said valve to maintain a water level in the reservoir and a sealing unit fitted to the outlet pipe (11) comprising a cup washer (12) and a back-up washer (13) the said washers are accommodated within an outlet cup (14) the said outlet pipe

(11), sealing unit washers (12, 13, 14) fitted tightly to avoid any leakage of water from reservoir with a check nut (15).

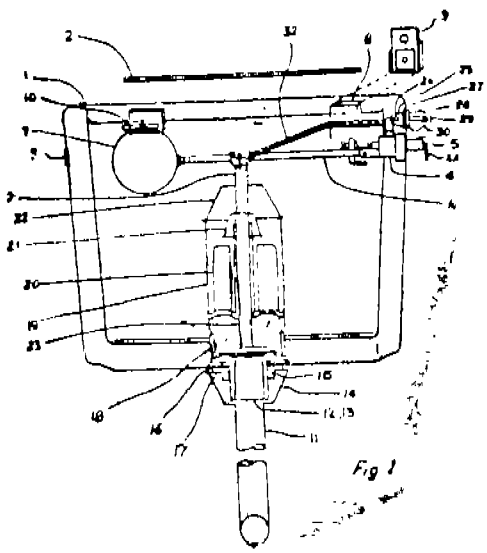


Fig 1

(Compl. Specn : 10 sheets; Drgns. : Nil)

(Provl. Specn. ; 06 sheets; Drgns : Nil)

Cl. : 152 E 181463

Int. Cl.: :C 08 F 2/06.

A PROCESS FOR PREPARING AN EPOXY RESIN MIXTURE FOR THE PRODUCTION OF PREPREGS AND COMPOSITE MATERIALS.

Applicant : (1) SIEMENS AKTIENGESELLSCHAFT, OF WITTELSBACHERPLATZ 2, 80333 MUENCHEN, GERMANY.

(2) HOECHST AKTIENGESELLSCHAFT, OF BRUNINGSTRASSE 50,65926 FRANKFURT AM MAIN, GERMANY.

Inventors :
(1) DR. WOLFGANG VON GENTZKOW,
(2) JURGEN HUBER,
(3) DR. HEINRICH KAPITZA,
(4) DR. WOLFGANG ROGLER,
(5) DR. HANS-JERG KLEINER,
(6) DR. DIETER WILHELM.

Application No. : 328/Cal/1994 filed on 4th May, 1994.

Appropriate Office for Opposition Proceeding (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

6 Claims

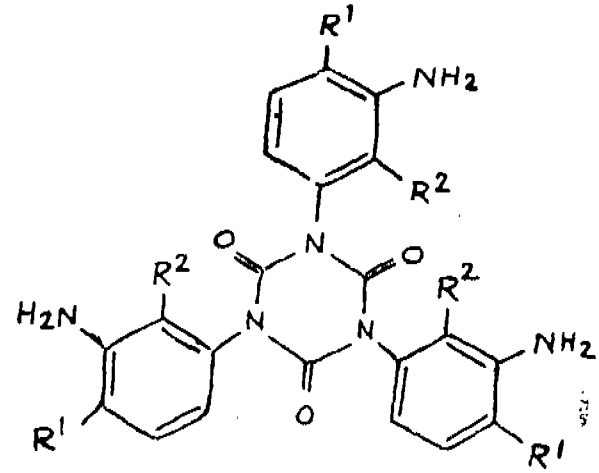
A process for preparing an epoxy resin mixture for the production of prepregs and composite materials, comprising mixing

— a phosphorus-modified epoxy resin having an epoxide value of 0.2 to 1 mol/100g and composed of structural units which are derived

a. from polyepoxy compounds having at least two epoxy groups per molecule; and

b. from phosphinic and/or phosphonic anhydrides; and

— an aromatic polymine having the following structure as a curing agent :



where one of the radicals R^1 and R^2 denotes H and the other denotes alkyl on each of the three aromatic partial structures, the ratio of epoxy function to amine hydrogen function is 1:0:5 to 1:1.1, optionally in the presence of a solvent such as herein described if desired the said resin mixture may contain a phosphorus-free aromatic and/or heterocyclic epoxy resin optionally as a mixture with a cycloaliphatic epoxy resin and an accelerator such as herein described.

(Compl. Specn. : 26 Pages)

Cl. : 80 F 181464

Int. Cl. : B 01 D 33/06, 33/36.

APPARATUS AND METHOD FOR PRODUCING PURIFIED CRYSTALS

Applicant : MITSUI PETROCHEMICAL INDUSTRIES, LTD., OF 2-5 KASUMIGASEKI 3-CHOME CHIYODA-KU, TOKYO, JAPAN.

Inventors :
(1) RYOICHI YAMAMOTO,
(2) TOSHIYUKI SAKATA,
(3) HIROSHI SUZUKI,
(4) ETSURO OKAMOTO.

Application No. : 380/Cal/1994 filed on 20th May, 1994.

Appropriate Office for Opposition Proceeding (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

7 Claims

An apparatus for producing purified crystals, such as herein described, comprising :

a slurry preparation unit for preparing a slurry containing the crystals such as herein described and

a rotary filter having

a cylindrical filter medium rotating within a casing so as its cylindrical surface to pass through, in order, a filtering region for separating the crystals from the slurry as a filter cake, a washing region for washing the filter cake and a filter cake removing region for discharging out the washed filter cake, and

a spraying unit for spraying washing liquid onto the filter cake on the filter medium, characterized in that

the rotary filter has

a casing for receiving the slurry supplied,

a cylindrical filter medium rotating within the casing so as its cylindrical surface to pass through, in order, a filtering region for separating the crystals from the slurry as a filter cake, a plurality of washing regions for washing the filter cake and removing region for discharging out the washed filter cake,

a plurality of spraying units for spraying washing liquids onto the filter cake on the filter medium, each of said spraying units being disposed outside the cylindrical filter medium in each of the washing regions,

a spent washing liquid receiver provided for each sparying unit except that of the washing region rearmost in the moving direction of the filter medium, said receiver being disposed inside the cylindrical filter medium in the corresponding washing region and

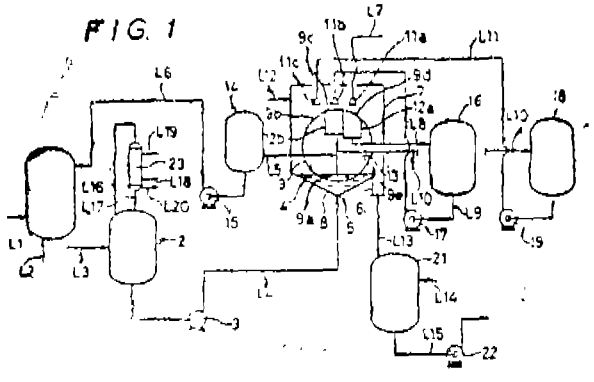
means for collecting the washed filter cake from the filer medium in he filter cake removing region; and

that the apparatus is provided with

means for supplying a fresh washing liquid to the spraying unit of the washing region of forefront in the moving direction of the rotating filter medium and supplying any one of spraying units of the washing regions on the aft side of said forefront, seen in the moving direction of the rotating filter medium, with the spent washing liquid from the spent washing liquid receiver of the washing region neighbouring the washing region of said one spraying unit on the fore side, seen in the moving direction of the filter medium; and

means for returning to the slurry preparation unit the spent washing liquid from said first washing region, together with the filtrate from the filtering region.

FIG. 1



(Compl. Specn : 29 pages; Drgns : 3 Sheets)

Cl. : 176 F, I 181465

Int. Cl. : B 01 J 8/30.

REHEATER PROTECTION DEVICE IN A CIRCULATING FLUIDIZED BED COMBUSTION SYSTEM.

Applicant : COMBUSTION ENGINEERING, INC., OF 1000 PROSPECT HILL ROAD, WINDSOR, CONNECTICUT 06095, UNITED STATES OF AMERICA.

Inventor : BRUCE WALTER WILHELM.

Application No. : 382/Cal/1994 filed on 23rd May, 1994.

Appropriate Office for Opposition Proceeding (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

2 Claims

A reheater protection device in a circulating fluidized bed combustion system for producing steam motive power for a turbine comprising :

a circulating fluidized bed furnace (12) operable in a firing mode which produces flue gases having fluidized solids entrained therewith ;

cyclone separator means (28) for separating circulating fluidized solids from the flue gases exiting said circulating fluidized bed furnace ;

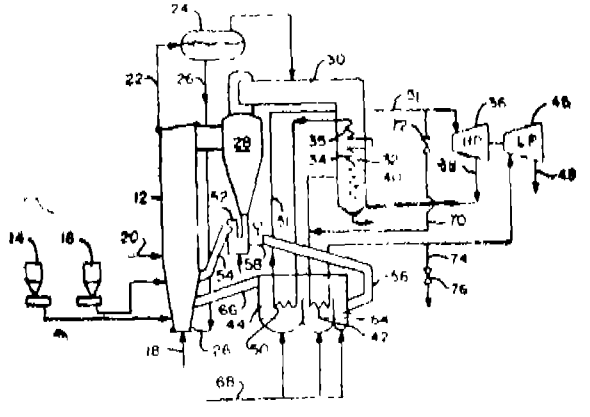
a fluidized bed heat exchanger (44) for circulating fluidized solids fed thereto from said separating means ;

a superheater circuit (50) having a portion communicated with the turbine ;

a reheater circuit (40) having a portion communicated with the turbine and another portion located in the fluidized bed heat exchanger for heat exchange contact with the circulating fluidized solids ;

means line (70) for conducting steam from said superheater circuit to said reheater circuit, said steam conducting means (70) being connected to said superheater circuit upstream of said portion thereon in communication with the turbine and connected to said reheater circuit downsteram of said portion thereof communicated with the turbine and upstream of said another portion in heat exchange contact ; and

a valve (72) for selectively permitting the flow of steam through the steam conducting means (70) in response to termination of firing of said circulating fluidized bed.



(Compl. Specn. : 9 pages; Drgns. : 1 Sheet)

Cl. : 140 B 3 181466

Int. : Cl.: C 10 M 137/14
C 10 G 71/00.

A PROCESS FOR PRODUCING A METAL-FREE LUBRICATING OIL.

Applicant : TEXACO DEVELOPMENT CORPORATION, OF 2000 WESTCHESTER AVENUE, WHITE PLAINS, NEW YORK 10650, UNITED STATES OF AMERICA.

Inventors :

(1) CHARLES WESLEY HARRISON,
(2) ARTHUR GERALD GORNEAU,
(3) ROBERT MICHAEL STEINBERG,
(4) BRUCE ROY BOND.

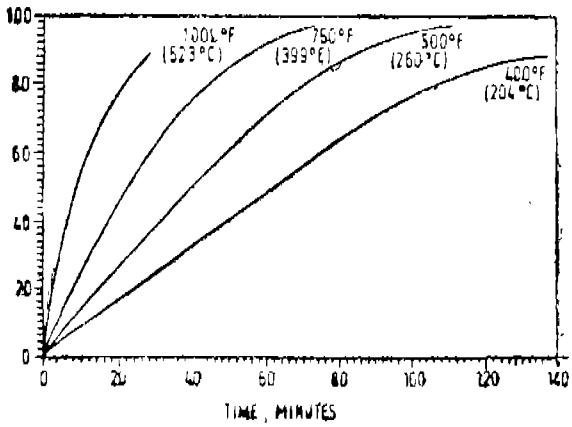
Application No. : 543/Cal/1994 filed on 11th July, 1994.

Appropriate Office for Opposition Proceeding (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

9 Claims

A process for producing a metal-free lubricating oil from used lubricating oil comprising organo-metallic compounds containing zinc dithiophosphate in a concentration of 0.01 to 5.0 wt%, to obtain lubricating oil with reduced concentration of zinc dithiophosphate, comprising heating in a manner as herein described the used lubricating oil and subjecting the resultant oil to the step of vacuum distillation by

heating said used oil to an additive decomposition temperature of 400°F (240°C) to 1000°F (538°C), and maintaining the additive decomposition temperature for a residence time in the range of 10 to 120 minutes, thereby reducing the zinc dithiophosphate concentration to 0.001 wt% or less in the absence of chemical demetallizing agents.



(Compl. Specn. : 16 pages; Drgns. : 1 Sheet)

Cl. : 76 B 181467

Int. Cl. : F 16 L 33/08.

CLAMP STRUCTURE WITH SAWTOOTH LIKE LOCKING ARRANGEMENT.

Applicant : HANS OETIKER AG MASCHINEN UND APPARATEFABRIK, OF OBERDORFSTRASSE 21, CH-8812 HORGEN SWITZERLAND.

Inventor : HANS OETIKER.

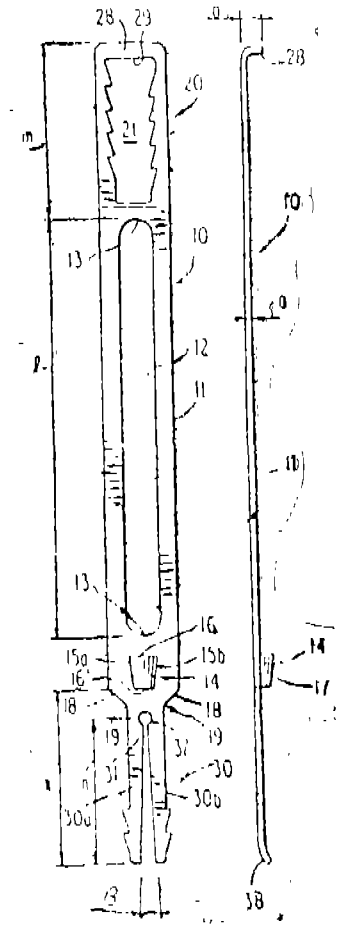
Application No. : 891/Cal/1994 filed on 27th October, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

19 Claims

A clamp structure with sawtooth like looking arrangement comprising clamping band means (11) made from band material of substantially constant thickness, tightening means (14, 28) in said clamping band means for tightening the clamping band means about an object to be fastened thereby, and further means for holding the clamping band means in its tightened condition, said further means including a tongue-like extension (30) at one end of the clamping band means, opening means (21) near the other end of the clamping band means, complementary saw tooth-like means (33, 20'; 33', 20'a) along the longitudinal edge surfaces of said tongue-like extension and along the inner longitudianal surfaces of said opening means, and said tongue-like extension being provided with means (36) to cause elastic engagement of its sawtooth-like means (33, 33') with the sawtooth like means (20'; 20'a) of the opening means.

FIG.1 FIG.2



(Compl. Specn. : 24 pages; Drgns. : 4 Sheets)

Cl. : 83 A 2 181468

Int. Cl. : A 23 C 19/14
A 23 P 1/00.

A METHOD FOR PRODUCING A SUBSTANTIALLY NON-AGGLOMERATING CHEESE PRODUCT.

Applicant : EDWARD MENDELL CO. INC., OF 2981 ROUTE 22, PATTERSON, NEW YORK 12563, UNITED STATES OF AMERICA.

Inventors :
(1) BOB E. SHERWOOD,
(2) JOUKO JOHANNES VIRTANEN.

Application No. : 467/Cal/1996 filed on March 15, 1996.

(Convention No. : 08/419, 633 on 6-4-95 in U.S.A.)

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

19 Claims

A method for producing a substantially non-agglomerating cheese product in shredded, grated of particulate form, comprising the steps of :

(a) obtaining in a manner as herein described an adible cheese material which is shredded, grated or particulate i

(b) obtaining in a manner as herein described cellulose derived from a pulp selected from the group consisting of wood pulps, cotton pulps and eucalyptus pulps having an ISO brightness from about 80 to about 90 ; and

(c) forming a substantially non-agglomerating cheese product by blending the edible cheese material and the cellulose in an amount of from about 0.01 to about 5% based on the weight of said food product to provide a cheese product having substantially uniform color which is substantially free from agglomeration.

(Compl. Specn. : 26 pages; Drgns: : Nil)

Cl. : 55 E 4 181469

Int. Cl. : A 61 K 35/00.

A PROCESS FOR THE MANUFACTURE OF AN HOMEOPATHIC ANTIDOTE COMPOSITION FOR TREATING POISONOUS CONDITION.

Applicant & Inventor : DR. ASHIM KUMAR PRADHAN, OF 21 HARIDEVPUR ROAD, CALCUTTA-700 082, WEST BENGAL, INDIA.

Application No. : 603/Cal/1996 filed on 3rd April, 1996.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

7 Claims

A process for the manufacture of a homeopathic antidote compositions for treating poisonous conditions, comprises :

(a) Preparing solution 'A' by sequentially mixing (i) abutilum indicum IX, (ii) mother tincture of commelina, (iii) Echinocea Angustifolia IX, (iv) Leucus Aspera IX in alcohol ; in such a way that the final solution 'A' should contain .01 to 1% v/v of item (i); 1 to 2% v/v of item (ii); .01 to 2% v/v of item (iii) and .01 to 2% v/v of item (iv) respectively ; agitating and keeping in closed container under refrigeration.

(b) preparing solution 'B' by sequentially mixing (v) Calotropis Gigantia ix, (vi) Ledum Pal 2x (vii) Opium 30 in alcohol ; in such a way the final solution 'B' should contain 0.025 to 1% v/v of item (v) ; 0.025 to 1% of item (vi) ; 0.25 to 2% v/v of item (vii) respectively ; agitating and keeping in closed container under refrigeration.

(c) Preparing solution 'C' by mixing at least two of the following compounds in distilled water

(viii) phosphate of Iron 3X, (ix) phosphate of soda 3x, (x) Phosphate of magnesia 3x, (xi) Phosphate of Potash 3x, (xii) Sodium phosphate 3x, (xiii) Phosphate of lime 3x, in such a way that the final solution 'C' should contain 1 to 3% w/v of item (viii); 1 to 3% w/v of item (ix); 1 to 3% w/v of item (x); 1 to 3% w/v of item (xi); 1 to 2% w/v of item (xii) and 1 to 2% w/v of item (xiii) respectively, when present in the solution; agitating and keeping in a close container under refrigeration.

(d) Preparing solution D by mixing

(xiv) Natrum Mur 6x and (xv) Kali Mur 3x, in such a way that the final solution 'D' should contain 1 to 15% w/v of item (xiv) and 1 to 15% w/v of item (xv), in distilled water ; agitating and keeping in a close container under refrigeration.

Sequentially mixing the above solution A, B, C and D with agitation in such a way that the percentages of each solution in final mix is at least in the range of 1-12% v/v.

(Compl. Specn. : 24 pages; Drgns. : Nil)

Ind. Cl. : 77 B 2 181470

Int. Cl. : C 11 C 1/10

"AN IMPROVED PROCESS FOR EXTRACTING OIL FROM OIL BEARING PLANT PARTS".

Applicant : AGRITECH INTERNATIONAL, L.L.C., OF 1433 West Mill Street, Crowley, Louisiana-70526 U.S.A.

Inventors :

1. ROLAND MOZARD HEBERT
2. ROBERT JOHN STONICHER
3. ROBERT THOMAS TUCKER

Application No. : 871/Cal/96 filed on 13-05-1996.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Calcutta.

25 Claims

An improved process for the extraction of organic oil from oil bearing plant material/parts such as seeds, fruits, nuts, leaves, germs, bran, bark and roots which comprises subjecting the required substance to a step of solvent extraction, recovering the oil laden solvent and the oil lean residue separately characterized in the following steps :

(i) loading the oil bearing plant part into a reactor vessel,

(ii) subjecting the reactor vessel (to vacumisation) by removing air, to obtain a first partial vacuum of around 8.8 psia,

(iii) removing additional air by means of inert gas introduced under pressure into the reactor vessel to establish a second partial vacuum of around 8.8 psia,

(iv) introducing into the reactor vessel held at said partial pressure a hydrocarbon solvent like propane butene suited to the solid material used which solvent is at a temperature not exceeding 125°F,

(v) Allowing solublisation of substantial portion of the oil content of the plant part by said solvent,

(vi) Intimately mixing the solid and liquid materials in the reactor by means of pressurized solvent vapours at 265—285 psia introduced through the bottom of the reactor to facilitate separation of fine solid particles from heavier solid particles in the reactor contents,

(vii) Removing the solvent and oil combination from the bottom of the reactor while facilitating such removal by means of pressurized hot solvent vapours introducted into the top of reactor vessel to increase reactor pressure to 40—80 psia followed by

(viii) Recovering solvent and oil separately from the solvent oil combination by usual methods.

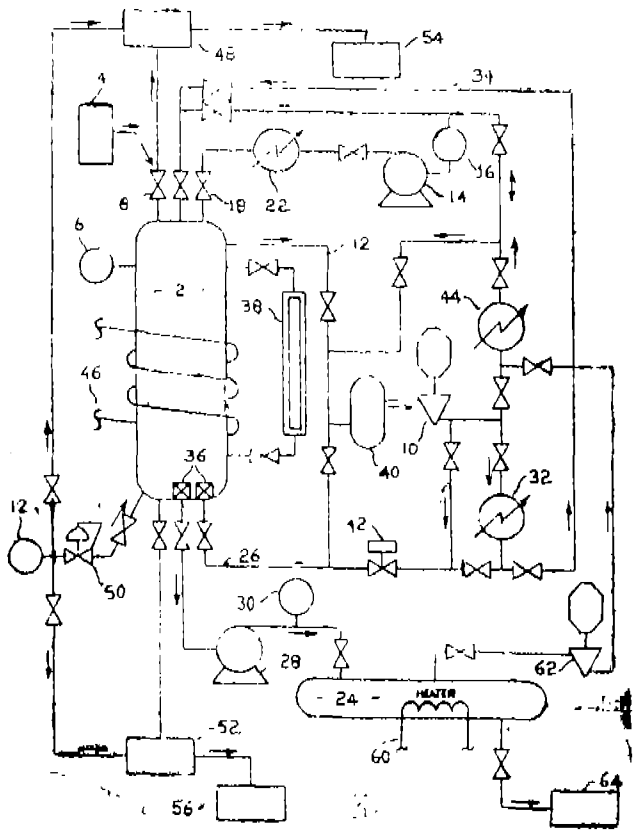


FIGURE 1

(Compl. Specn. : 29 pages; Drgns. : 2 sheets)

Ind. Cl. : 170 B, D, Gr. [XL III (4)] 181471

Int. Cl. : C 11 D—13/28, 13/18

A PROCESS FOR THE MANUFACTURE OF A BUILT DETERGENT PRODUCT IN SHAPED SOLID FORM.

Applicants : HINDUSTAN LEVER LIMITED A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1913 OF HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RECLAMATION, MUMBAI-400 020, MAHARASHTRA, INDIA.

Inventors :
1. MICHAEL JOHN ADAMS.
2. ROBERT WILLIAM ANDERSON
3. BRIAN EDMONDSON

Patent Application No. : 113/Bom/94 filed on 24-03-94.

GB Priority filed on 24-03-93.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400 013.

11 Claims

A process for the manufacture of a built detergent product in a shaped solid form and comprising;

5—60 wt% of non-soap detergent active,

10—70 wt% of detergency builder which is a solid selected from water-insoluble inorganic detergency builders, water-soluble inorganic detergency builder salts and water soluble organic detergency builder salts containing not more than 6 carbon atoms,

25—85 wt% of ingredients or materials such as herein described,

Said process comprising mixing the above ingredients to form a particulate composition and then compacting that composition in a mould consisting of a plurality of mould parts which are movable relative to each other, where at least some of the mould parts have, over at least part of their surface area which contacts the detergent product, a total modulus of elasticity within the range from 10^6 up to 8×10^7 Nm^{-2}, preferably less than 7×10^7 Nm^{-2} and more preferably not over lower values such as 6×10^7 Nm^{-2}, 5×10^7 Nm^{-2} or even 4×10^7 Nm^{-2}

(Compl. Specn. : 35 pages, Drgns. : 2 sheets)

Ind. Cl. : 40 B Gr. [IV (1)] 181472

Int. Cl. : B 01 J—21/12, 21/16, 25/02

PROCESS FOR PREPARING SUPPORTED METAL CATALYST.

Applicant : HINDUSTAN LEVER LIMITED, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1913 AND HAVING ITS REGISTERED OFFICE AT HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RECLAMATION, MUMBAI 400020, MAHARASHTRA, INDIA.

Inventors :
(1) PRASHANT MICKY PURI
(2) ANIL NARAYAN GANDHI
(3) AYODHYANATH BHAT

Patent Application No. : 174/Bom/94 with provisional specification filed on 25-04-94.

Complete after provisional specification filed on 12-05-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400 013.

07 Claims

A process for preparing suppoprted nickel catalyst, comprising impregnating a support such as herein described by treating it with a nickel salt in the presence of additives such as herein described by solid state reaction at 40 to 220°C.

(Prov. Specn. : 13 pages; Drgns. : 3 sheets)

(Compl. Specn. : 17 pages; Drgns. : Nil)

Ind. Cl. : 26 [XLIII (4)] 181473

Int. Cl. : A 47 K—1/09, A 47 K—5/18

TOOTHBRUSH ASSEMBLY.

Applicants : HINDUSTAN LEVER LIMITED, 165/166, BACKBAY RECLAMATION, BOMBAY-400020, MAHARASHTRA, INDIA.

Inventor : BERTRAND BARRE.

Application No. : 177/Bom/1994 filed on April 26, 1994.

J. K. Convention date April 29, 1993.

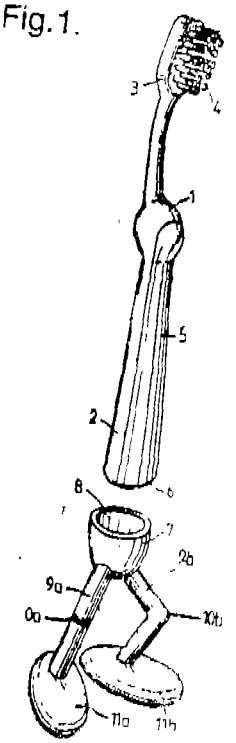
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400 013.

5 Claims

A toothbrush assembly comprising a toothbrush having a head portion with bristles attached thereto, and a handle portion, and a free-standing for the brush, the stand being capable of retaining the brush in a substantially upright position, the stand and brush both having co-operating means so as to allow the brush to be releasably engaged by the stand,

the co-operating means on the brush being located as far as possible from the head of the brush, further said stand having a plurality of legs.

Fig.1.



(Compl. Specn. : 9 pages; Drgns. : 2 sheets)

Ind Cl. ; 170 D. Gr. [XLIII (4)] 181474

Int. Cl. : C 11 D—10/04; 09/32

IMPROVEMENTS RELATING TO SOAP BARS.

Applicants : HINDUSTAN LEVER LIMITED A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1913 OF HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RECLAMATION, MUMBAI-400020, MAHARASHTRA, INDIA.

Inventors :

1. JOHN GEORGE CHAMBERS
2. GEOFFREY IRLAM

Patent Application No. 214/Bom/94 filed on 13-05-94.

G. B. Priority dated 19-05-93.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400 013.

6 Claims

A liquid isotropic mixture comprising

(a) a first surfactant having a T_c in excess of 15°C.

(b) fatty acid in an amount such that the ratio of first surfactant to fatty acid is not more than 2:1, and,

(c) 2—15% water.

(Compl. Specn. : 16 pages; Drwgns. : 3 sheets)

Ind. Cl. : 39 L, 164 181475

Int. Cl. : C 01 F—7/02
C 08 J—11/00

A PROCESS FOR THE RECOVERY OR ISOLATION OF ALUMINA FROM THE EFFLUENT OF PEA PLANTS.

Applicants : HINDUSTAN LEVER LIMITED, OF HINDUSTAN, LEVER HOUSE, 165/166 BACKBAY RECLAMATION MUMBAI 400020, MAHARASHTRA, INDIA.

Inventors :

(1) PRASHANT MICKY PURI
(2) PULLIMUDALIAR SIDHESWARAN

Application No. : 270/Bom/94 filed on June 13, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400 013.

12 Claims

A process for the recovery or isolation of alumina from the effluent of PEA plants comprising treating said effluent with an alkali at a temperature below 100°C and pH from 14 to 7 so as to neutralise its acidity at least partially, controlling in a manner such as herein described the crystal habit of the alumina being precipitated so as to produce dispersed particles of alumina, preferably with particle size $< 6\mu m$, and separating the alumina precipitated, and thereafter, if desired, washing the precipitate with hot water and drying the same at about 110°C.

(Prov. Specn. : 22 pages; Drgs. : Nil)

(Comp. Specn. : 26 pages; Drgs. : 1 sheet)

181476

Ind. Cl. : 189 Gr. [XVI(9)] & 55A_1, DI, Gr. [XIX (1)]

Int. Cl. : C 11 D—13/00

PROCESS TO MAKE ANTIBACTERIAL SOAP IN THE FORM OF CAKE, SOFT, GEL OR LIQUID.

Applicants & Inventors : PREMPRAKASH NANDKISHOR KHANNA & ANIL CHANDRAPRAKASH KHANNA BOTH INDIAN CITIZENS AT HOMACOL HOUSE, PLOT NO. B/9, M.I.D.C. MAIN ROAD, ANDHERI (EAST), MUMBAI-400093, MAHARASHTRA, INDIA.

Patent Application No. : 271/Bom/94 filed on 16-06-94.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400 013.

1 Claim

The process to make antibacterial soap in the form of cake, soft, gel or liquid comprising combination of ingredients in proportions as mentioned below :

1. Neem oil (Azadirachta Indica A Juss)—5 to 25 parts.
2. Extract of other parts of Neem tree such as leaves, bark, seeds, inflorescence and the like.—upto 25 parts or optional.
3. Mixture of other vegetable oils or commonly known as fats.—5 to 45 parts.
4. Colour or perfumes and preservatives.—QS or optional.

characterised in that said neem oil and other components are subjected to saponification at temperature not exceeding 100°C said saponification mass is treated with active oxygen to remove extraneous odour and colour.

(Compl. Specn. : 5 pages; Drwgns. : Nil)

Ind. Cl. : 189 Gr. [LXVI (9)] 181477

Int. Cl. : D 06 M—13/00

IMPROVED FABRIC CONDITIONER COMPOSITION AND METHOD FOR PREPARATION OF THE SAME.

Applicants : HINDUSTAN LEVER LIMITED, AT HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RECLAMATION; MUMBAI 400020, MAHARASHTRA, INDIA, AN INDIAN COMPANY.

Inventors :

(1) VEDANTAM VENKATESWARA KUMAR

(2) NEERU KUMAR

(3) AMRAT PAL

Patent Application No. : 335/Bom/94 filed on 21-07-94.

Complete after provisional specification filed on 24-07-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400 013.

12 Claims

A synergistic fabric conditioner composition comprising :—

(i) higher amounts of the cationic surfactant than hitherto possible in amounts of 8% by weight of the total conditioner, and

(ii) the electrolyte is a bi electrolyte system selected from the following :

(a) Halides of alkali or alkaline earth metals or combinations thereof.

(b) Hydroxy-carboxylic acids or their salt, or combinations thereof.

(Prov. Specn. : 8 pages; Drgs. : Nil)

(Comp. Specn. : 13 pages; Drgs. : Nil)

Ind. Cl. : 123 1(4) 181478

Int. Cl. : C 05 B—7/00

A PROCESS OF MANUFACTURING 100% WATER SOLUBLE COMPLEX SOLID FERTILISER.

Applicants : CHANDRASHEKHAR PANCHAKSHARI VIBHUTE, 126/B, KADADI CHAWL, STATION ROAD, SOLAPUR 413001, MAHARASHTRA & NARAYANSWAMY RAVICHANDER, N-300, R.B.I. QUARTERS, BEGUMPET, HYDERABAD-500016.

Application No : 402/Bom/94 filed on Aug. 19, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Mumbai-400 013.

2 Claims

A process for manufacturing of diammonium potassium phosphate 100% after soluble fertilizer, steps are as under :—

(i) Ammoniating of Potash with ammonia in a reactor surrounded by chilled water jacket to maintain the temperature between 30° and 30°C and to maintain mole ratio of ammonia to sulphate of potash as 4:1 or ammonia to murate of potash as 4:2.

(ii) Neutralising the above said ammoniated potash by phosphoric acid gradually in such a manner that desire temperature is between 30° and 40°C and molar ratio of ammoniated potash to phosphoric acid is maintained to 1:2 and pH—6.5.

(iii) White slurry with solid mass obtained is cooled to room temperature.

(iv) Said solid material is then dried at a temperature between 30° to 40°C.

(Prov. Specn. : 3 pages; Drgs. : Nil)

(Comp. Specn. : 8 pages; Drgs. : Nil)

Ind. Cl. : 170 D Gr. [XLIII (4)] 181479

Int. Cl. : C 11 D—3/20

A NON-SOAP DETERGENT BAR.

Applicants : HINDUSTAN LEVER LIMITED A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1913 of HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, MUMBAI-400020, MAHARASHTRA, INDIA.

Inventors :

1. KENNETH METCALFE
2. PETER JAMES POWERS
3. PETER JAMES POWERS
4. BAKIR ABBOOD TIMITI

Patent Applicaiton No. : 217/Bom/94 filed on 16-05-94.

G. B. Priority dated 17-05-93. (G.B.).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Mumbai-400 013.

A non-soap detergent bar contaning 10 to 60% by weight of non-soap anionic detergent active consisting solely of linear or branched C_8 to C_{22} alkylbenzene sulphonate; and

5 to 90% by weight of detergency builder, water insoluble inorganic filler or a mixture of the two; wherein the bar additionally contains from 0.3 to 10% by weight of at least one alcohol containing 8 to 24 carbon aoms.

(Compl. Specn. : 25 pages; Drwgns. : Nil)

Ind. Cl. : 32 E 181480

Int. Cl.[4] : C08F 112/34.

PROCESS FOR MAKING CONTROLLED UNIFORM-SIZED POLYMER PARTICLES.

Applicant : ROHM AND HAAS COMPANY, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF INDEPENDENCE MALL WEST, PHILADELPHIA, PENNSYLVANIA 19105, UNITED STATES OF AMERICA.

Inventors :

1. MARK STEPHEN FRAZZA, US.
2. ROBERT RUSSEL RANEY, US.
3. ALEXANDER KOWALSKI, US.
4. MART IN VOGEL, US.
5. KIM SANG HO, US.

Kind of Application : Complete.

Application for Patent No. 234/Del/91 filed on 21st March 1991.

Approriate Office for Oposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005

16 Claims

A process for making a polymer having a selected uniform final particle size within the range of 1—50 mm, which comprises the steps of :

(a) combining free-radical polymerizable, water-insoluble monomer or mixture of such monomers with an aqueous dispersion of uniformly sized seed polymer particles until sufficient quantity of the monomer or mixture of monomers has been combined to grow the particles to a selected size, and wherein the monomer the monomer of mixture of monomers is combined with a the aqueous dispersion of seed polymer particles (i) in the presence of a dispersion stablizer such as herein described and an oil-soluble, free radical polymerization initiator such as hereln described, (ii) at a temperature at least as high as that at which the initiator is activated and (iii) at a rate such that an amount of the monomer or mixture of monomers equal to the total initial weight of the seed polumer particles would be combined with the dispersion over a period of from 45 to 120 minutes; and

(b) maintaining a temperature of the combined monomer(s) and particles at least as high as that at which the initiator is activated until all the monomer is polumerized.

These steps, optionally, being repeated until the selected size is equal to the selected final particle size.

(Compl. Specn. 21 pages; Drgns. Nil Sheet.)

AMENDMENT PROCEEDINGS UNDER SECTION 57

The amendments proposed by Mr. Kuochih Hong, citizen of United States of America, of 4853 Gamber Tory, Michigan 48098, U.S.A. in respect of Patent No. 178501 (179/Bom/1993) as advertised in Part III Section 2 of the Gazette of India on 5-4-1997 and no opposition being filed within the stipulated period, the same amendments have been allowed.

THE DESIGN ACT, 1911
Section 63
DESIGN ASSIGNMENT

The following Design stand in the name of Philips Electronics N.V. has been Assigned in the Register of Design in the name of Philips Consumer Communications B.V.

D/No.	Class	Name
		B.V. a Dutch company of 1. Groenewoudseweg, Eindhoven, The Netherlands.

CESSATION OF PATENTS

163487 163498 163529 163540 163546 163593 163606 163659 163710 163728 163749 163756 163794 163823 163853 163923 163925 163934

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PATENT SEALED ON 22-05-98

179014 179181 179182 179184 179185 179186 179187 179189*D 179191 179192* 179193 179194 179195* 179196 179197 179199 179200*D 179204* 179205 179209 179210*D

CAL-09, DEL-NIL, MUM-08, CHEN-04.

*Patent shall be deemed to be endorsed with words LICENCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D—Drug Patents.

F—Food Patents.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of the registration included in the entries.

Class 1. No. 174655, Disco Corporation 14-3, Higashi-Kohjiya 2-Chome, Ohta-ku, Tokyo, 144 Japan, a Japanese Corporation, "'CUTTING WHEEL', 4th September 1997.

Class 1. No. 174871, Chander Mohan Ghai at 92/2, Thaper Nagar, Meerut, U.P., India, a proprietorship concern whose proprietor is Chander Mohan Ghai, an Indian national, "KEROSENE STOVE", 17th October 1997.

Class 3. No. 173673, Robert Kotasinki, a Polish national, C/o. Dabur Indian Ltd., 22, Site-IV, Sahibabad, U.P.-201010, India, "PLASTIC BEE-HIVE", 22nd April 1997.

Class 3. No. 174047, Gtech corporation, 55 Technology Way, West Greenwich, Rhode Island 02817, U.S.A., a Delaware corporation, "GAMING TERMINAL", 12th June 1997.

Class 3. No. 174352, Smithkline Beecham P.l.c. a British company of New Horizons Court, Brentford, Middlesex T8 9EP, England, "BOTTLE", 28th January 1997 (Reciprocity date).

Class 3. No. 174717, Pyare Lal Coir Product Pvt. Ltd., of Kishan Pura, Meerut, U. P. Indian an Indian Private Ltd. Co. whose director is Shri Ashok Goel of above address and is Indian by nationality, "PILLOW", 11th Setember 1997.

Class 3. No. 174767, John Michael Fiotakis, an Australian citizen of 678 Sandy Bay Road, Sandy Bay, Tasmania 7005, Australia. "MARKER BUOY", 21st March 1997 (Reciprocity date).

Class 3. No. 174870, K. K. Electricals at L-259, Laxmanpurl, Multani Dhanda, Pahar Ganj, Delhi-110 055, India, an Indian partnership concern, "FAN", 17th October 1997.

Class 3. No. 174637, Classic Mouldplast Industries Ltd., of 216 old China Bazar Street, 1st floor, Room No. 1, Calcutta-700001, State of West Bengal, India, an Indian company, "FRIDGE STAND", 2nd Setember 1997.

Class 3. No. 174638, Classic Mouldplast Industries Ltd., of 216 old China Bazar Street, 1st floor, Room No. 1, Calcutta-700001, State of West Bengal, India, an Indian company, "STOOL", 2nd Setember 1997.

Class 3. No. 174643 & 174645, Classic Mouldplast Industries Ltd., of 216 old China Bazar St., 1st floor, Room No. 1, Calcutta-700001, State of West Bengal, India, an Indian company, "MULTIPURPOSE TROLLEY", 2nd September 1997.

Class 10. Nos. 174684 & 174685, Ess Aar Universal Pvt. Ltd., G-90, Preet Vihar, Delhi-110 092, India, an Indian comany, "SHOE SOLE", 9th September 1997.

H. D. THAKUR
Controller General of Patent Design & Trademarks

प्रबन्धक, भारत सरकार मुद्रणालय, फरीदाबाद द्वारा मुद्रित
एवं प्रकाशन नियंत्रक, दिल्ली द्वारा प्रकाशित, 1998
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AND PUBLISHED BY THE CONTROLLER OF PUBLICATIONS, DELHI, 1998.